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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/591,708	06/09/2000	Stuart J. Jacobs	00-8010	2685

32127 7590 03/29/2004

VERIZON CORPORATE SERVICES GROUP INC.  
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EXAMINER
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HA, LEYNNA A

ART UNIT	PAPER NUMBER
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2135

DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/591,708

Applicant(s)

JACOBS ET AL.

Examiner

LEYNNA T. HA

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

1. Claims 1-23 have been examined and are rejected under 35 U.S.C. 102(b).

***Claim Rejections - 35 USC § 102***

*The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:*

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Sudia, et al. (US 5,825,880).**

**As per claim 1:**

Sudia teaches a method for performing cryptographic-related functions wherein includes receiving an input requiring cryptographic-related processing that generates a message based on the input (col.7, lines 34-52), the message representing one of a predefined set of messages (col.11, lines 6-15) for processing by a cryptographic processing component (col.9, lines 9-13) and transmitting the message to the cryptographic processing component to perform the cryptographic-related processing (col.10, lines 5-46).

Sudia discloses the predefined set of messages as being messages having been validated (col.8, lines 10-11) and includes data stored therein requesting for cryptographic-related processing (col.11, lines 6-15).

**As per claim 2:**

Sudia discloses verifying a digital signature wherein includes encrypting and decrypting data (col.6, lines 32-42), retrieving the digital certificate (col.10, lines 15-38), verifying the hierarchy (col.1, lines 24-38), and self-signed certificate processing (col.7, lines 45-52) within the node. Further, Sudia discloses certificate age checking in the form of time stamping (col.9, lines 13-16).

**As per claim 3:** See col.7, lines 34-42 discussing executing the input and generating the message via an application program.

**As per claim 4:**

Sudia discloses generating an output message via the application program wherein the output message requiring cryptographic-related processing (col.11, lines 6-10), transmitting one of predefined the messages (col.11, lines 10-13) to the cryptographic processing component (col.9, lines 9-13) to perform the cryptographic-related processing (col.9, lines 55-56), and outputting the processed message (col.11, lines 17-18).

**As per claim 5:**

Sudia teaches a computer readable medium having stored thereon a plurality of sequences of instructions that may be invoked by a plurality of

predefined messages executed by a processor (col.8, lines 24-55) to perform the steps of receiving an input requiring cryptographic-related processing that generates a message based on the input (col.9, line 64 – col.10, lines 2), the message representing one of predefined messages (col.10, lines 10-14) for processing to a cryptographic processing module (col.9, lines 9-13) and to perform the cryptographic-related processing (col.10, lines 15-30).

Sudia discloses the predefined set of messages as being messages having been validated (col.8, lines 10-11) and includes data stored therein requesting for cryptographic-related processing (col.11, lines 6-15).

**As per claim 6:**

Sudia discloses verifying a digital signature wherein includes encrypting and decrypting data (col.6, lines 32-42), retrieving the digital certificate (col.10, lines 15-38), verifying the hierarchy (col.1, lines 24-38), and self-signed certificate processing (col.7, lines 45-52) within the node. Further, Sudia discloses certificate age checking in the form of time stamping (col.9, lines 13-16).

**As per claim 7:** See col.7, lines 34-45.

**As per claim 8:** See col.11, lines 6-13.

**As per claim 9:**

Sudia includes cryptographic module comprising a memory configured to store a plurality of cryptographic processing programs (col.9, lines 1-13) that is invoked via one of the plurality of predefined messages (col.11, lines 8-14).

Further, Sudia includes a processor (col.8, lines 24-55) configured to receive an input requiring cryptographic-related processing (col.7, lines 34-40), generates one of predefined messages (col.11, lines 6-13) to further transmit the message to the first one of the cryptographic processing programs (col.9, lines 9-13) and to perform the cryptographic-related processing (col.9, lines 55-56).

Sudia discloses the predefined set of messages as being messages having been validated (col.8, lines 10-11) and includes data stored therein requesting for cryptographic-related processing (col.11, lines 6-15).

**As per claim 10:**

Sudia discloses verifying a digital signature wherein includes encrypting and decrypting data (col.6, lines 32-42), retrieving the digital certificate (col.10, lines 15-38), verifying the hierarchy (col.1, lines 24-38), and self-signed certificate processing (col.7, lines 45-52) within the node. Further, Sudia discloses certificate age checking in the form of time stamping (col.9, lines 13-16).

**As per claim 11:** See col.7, lines 34-45.

**As per claim 12:** See col.11, lines 6-13.

**As per claim 13:**

Sudia includes cryptographic module comprising means for storing a plurality of cryptographic processing programs that is invoked via one of the plurality of predefined messages (col.11, lines 6-16). Further, Sudia discusses means for receiving an input requiring cryptographic-related processing (col.7,

lines 34-40), means for generating the one of predefined messages based on the input (col.8, lines 45-55) to further transmit the message to the first one of the cryptographic processing programs (col.9, lines 9-13), and to perform the cryptographic-related processing (col.10, lines 5-46).

**As per claim 14:**

Sudia discusses a node coupled to other nodes in a network wherein the node includes an application program for handling communications with the other nodes (col.6, lines 22-57) that includes the method of performing cryptographic related functions (col.9, lines 55-56). In addition, Sudia discusses the method of receiving an input requiring cryptographic-related processing (col.7, lines 34-40), generating the one of predefined messages (col.11, lines 8-13) to further transmit the message to the first one of the cryptographic processing programs (col.9, lines 9-13) and to perform the cryptographic-related processing (col.9, lines 55-56).

**As per claim 15:** See col.11, lines 38-52.

**As per claim 16:**

Sudia discusses the method of requests for digital generation, verification, data encryption and decryption (col.6, lines 32-42), retrieval of digital certificate (col.10, lines 15-38), verifying the hierarchy (col.1, lines 24-38), self-signed certificate processing (col.7, lines 45-52), and certificate age checking in the form of time stamping (col.9, lines 13-16).

**As per claim 17:** See col.6, lines 4-19 and col. 7, lines 8-15.

**As per claim 18:** See col.6, lines 4-19 and col. 7, lines 8-15.

**As per claim 19:** See col.6, lines 4-19 and col. 7, lines 8-15.

**As per claim 20:** See col.6, lines 4-19 and col. 7, lines 8-15.

**As per claim 21:** See col.6, lines 24-30.

**As per claim 22:**

Sudia discloses a processor performing a method for providing cryptographic related functions (col.8, line 62 – col.9, line 18) wherein includes receiving a first function call from a predefined list of function call that is executable by the processor (col.8, lines 10-11 and 11, lines 8-15), generating request message for cryptographic processing (col.11, lines 6-10) to further transmit the request message to the cryptographic processing module (col.9, lines 9-13) and to perform the cryptographic-related processing (col.9, lines 55-56).

**As per claim 23:**

Sudia discloses a call handler component in the form of a signing device (col.6, lines 22-57) that includes cryptographic related functions and configured to receive a function call from an application program and generate a request message (col.7, lines 34-52). Further, Sudia discusses a request handler receiving the request message and the corresponding instruction request (col.11, lines 6-15) where upon the cryptographic processing component receiving the request to perform the cryptographic-related processing (col.9, lines 55-56).



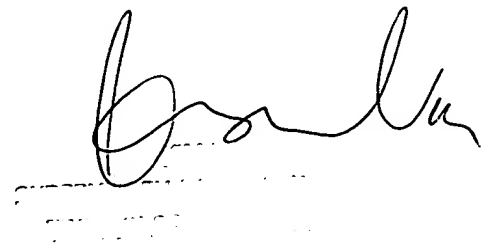
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEYNNA T. HA whose telephone number is (703) 305-3853. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (703) 305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LHa

A handwritten signature in black ink, appearing to be 'LHa', is written over a faint, rectangular stamp. The signature is fluid and cursive.